PAMS Technical Documentation
NSW-4 Series Transceivers

Service Tools

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AMENDMENT RECORD SHEET

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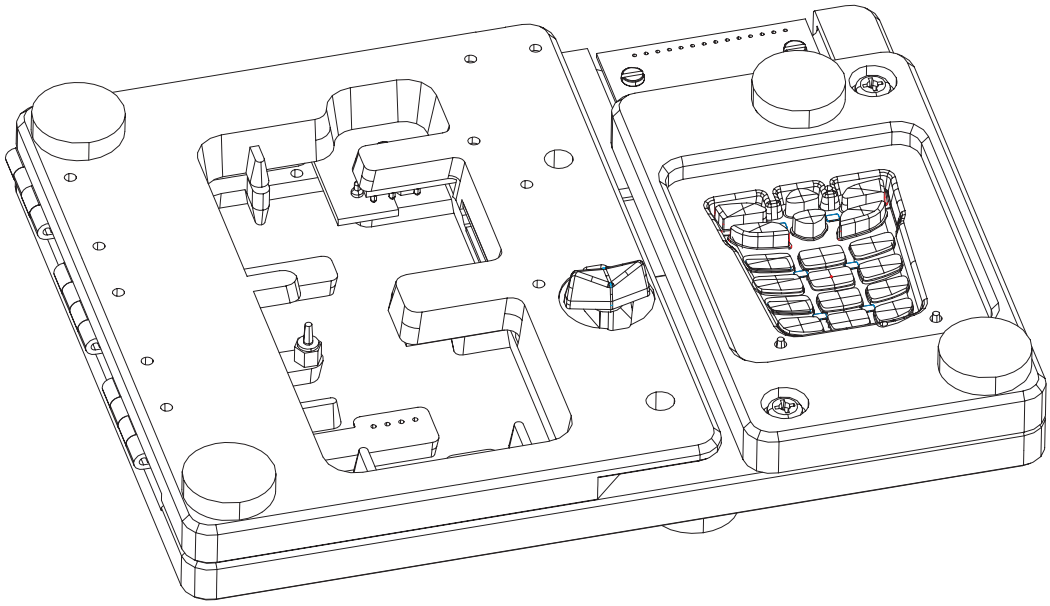
Module Jig JBS-25

The purpose of the JBS-25 module service jig is to provide a method of applying voltage from an external power supply when the phone engine is out of its mechanics.

The engine module of NSW-4 products can be tested with JBS-25.

The jig contains four connector pcbs, keyboard module and assembly parts.

Module Jig JBS-25: 0770185



Note: The nominal supply voltage for the JBS-25 is +4.1V.
The supply voltage must not exceed +5.0 V

The purpose of the JBS-25 module service jig is to provide a method of applying voltage from an external power supply when the phone engine is out of its mechanics.

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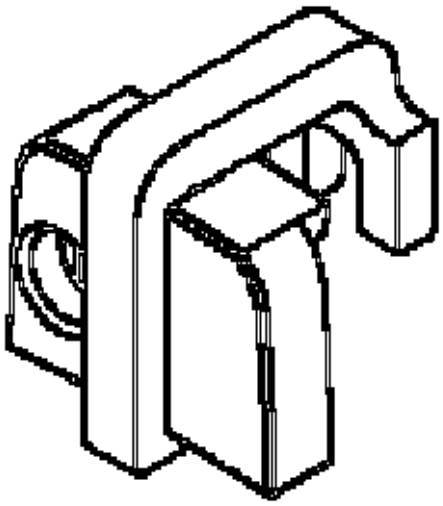
Service Tool AAX-2

The function of the AAX-2 is to provide galvanic contact for RF measurements.

Product code

Service Tool AAX-2:	0770273

View of AAX-2



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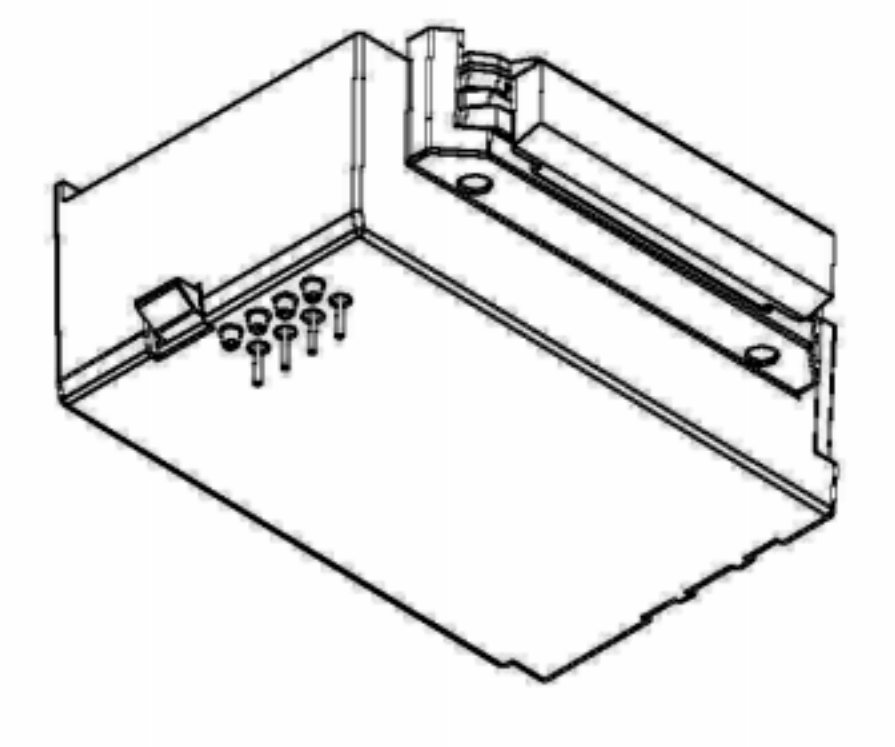
Service and Flash Adapter FLA- 12

The Service and Flash Adapter FLA-12 is used in modifying the contents of the phone flash memory, e.g. warranty data transfer.

Product Code

Service and Flash Adapter FLA-12:	0080389

View of FLA-12



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Flash Loading Adapter FLA-5 or FLA–7 (Sales Pack)

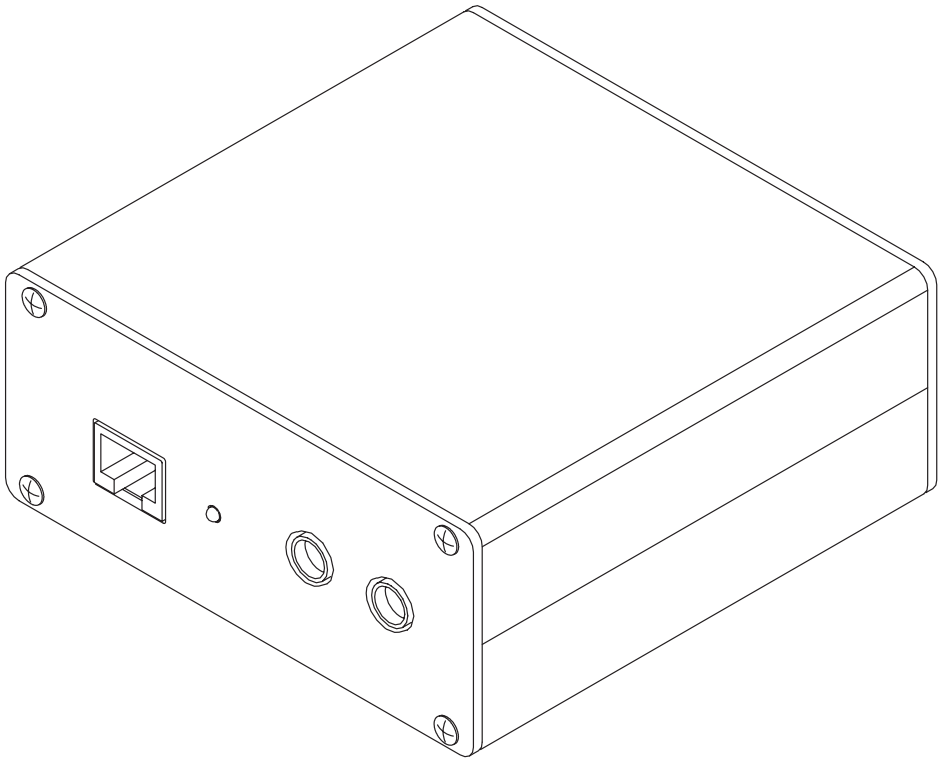
Flash loading adapters FLA–5 and FLA–7 are interchangeable in regards to NSW–4, either may be used(note: some phones do require the use of FLA–7 **only**). The FLA–5/FLA–7 is used with the Flash Adapter FLA–12 and Service Cable SCH–5 (or SCH–5A). Power is supplied from the Flash Security Box TDF–4 via a DC cable PCC–1, (The PCC–1 can be replaced with a travel charger ACH–6), and is connected to the Flash Prommer FPS–4 with cable AXS–5

FLA–5 sales pack includes:	–Flash Loader Adapter FLA–5	0770085
	–Service Cable SCH–5	0730098
	–D15–D15 CABLE AXS–5	0730091
	–Installation SW for FPS–4	8400041
FLA–7 sales packincludes :	–Flash Loader Adapter FLA–7	0770119
	–Power Cable SCF–7	0730141
	–Service Cable XCM–5	0730142
	–DC Cable AXD–1	0730144
	–Service Cable AXS–5	0730091

Product Code

Flash Loading Adapter FLA–5 :	0080178
Flash Loading Adapter FLA–7	0080326

View of FLA-5



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Flash Prommer FPS-4S (Sales Pack)

The Flash Prommer FPS-4S is used to update the main software of the phone. Updating is done by first loading the new MCU software from the PC to the flash prommer, and then loading the new SW from the prommer to the phone. When updating more than one phone in succession, the MCU software only needs to be loaded to the prommer once.

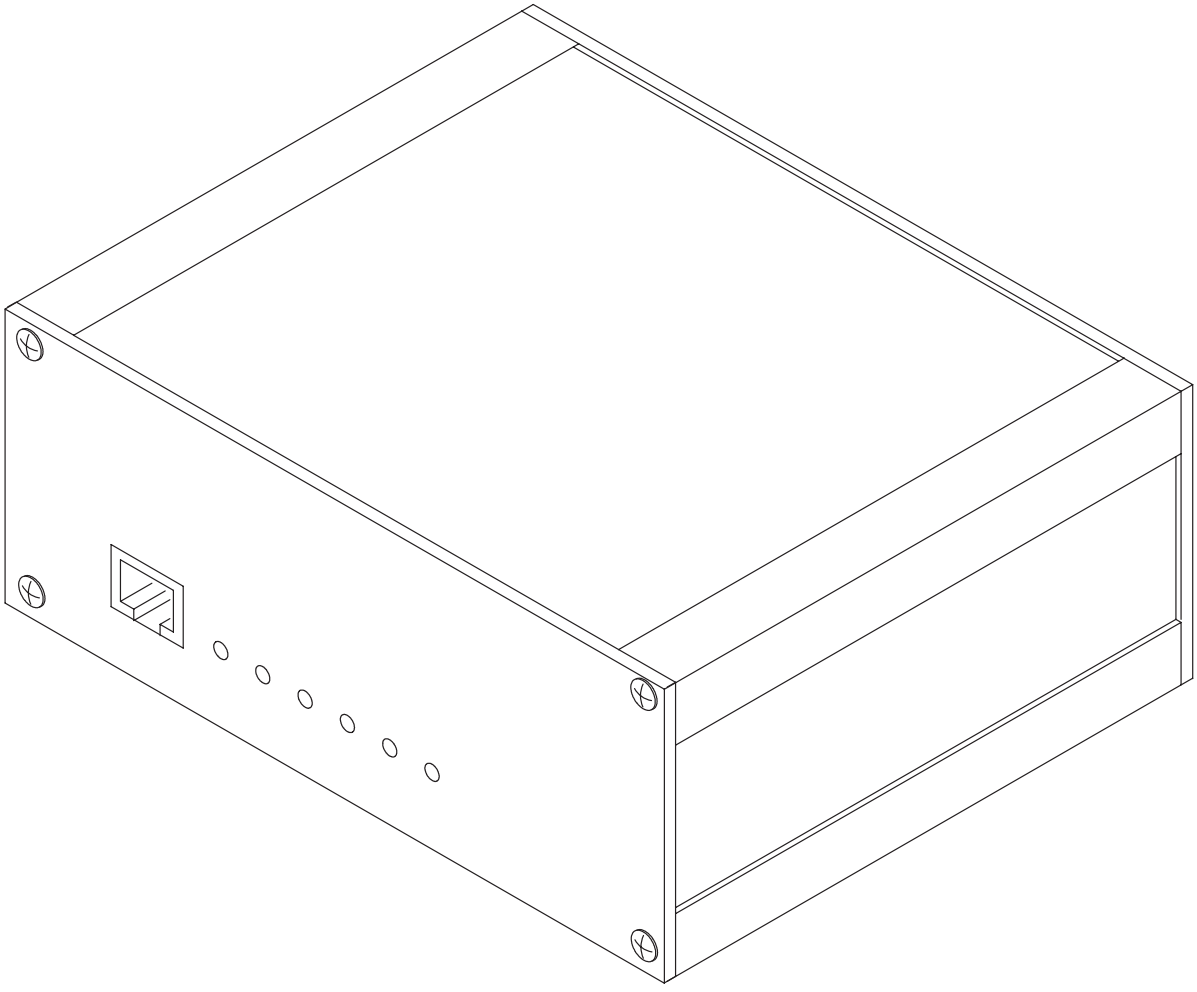
The sales pack includes:

- Printer Cable	0730029
- D9 - D9 Cable AXS-4	0730090
- Installation software for FPS-4	8400041

Product Code

Flash Prommer FPS–4S	0081275

View of FPS-4S



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Security Box TDF-4

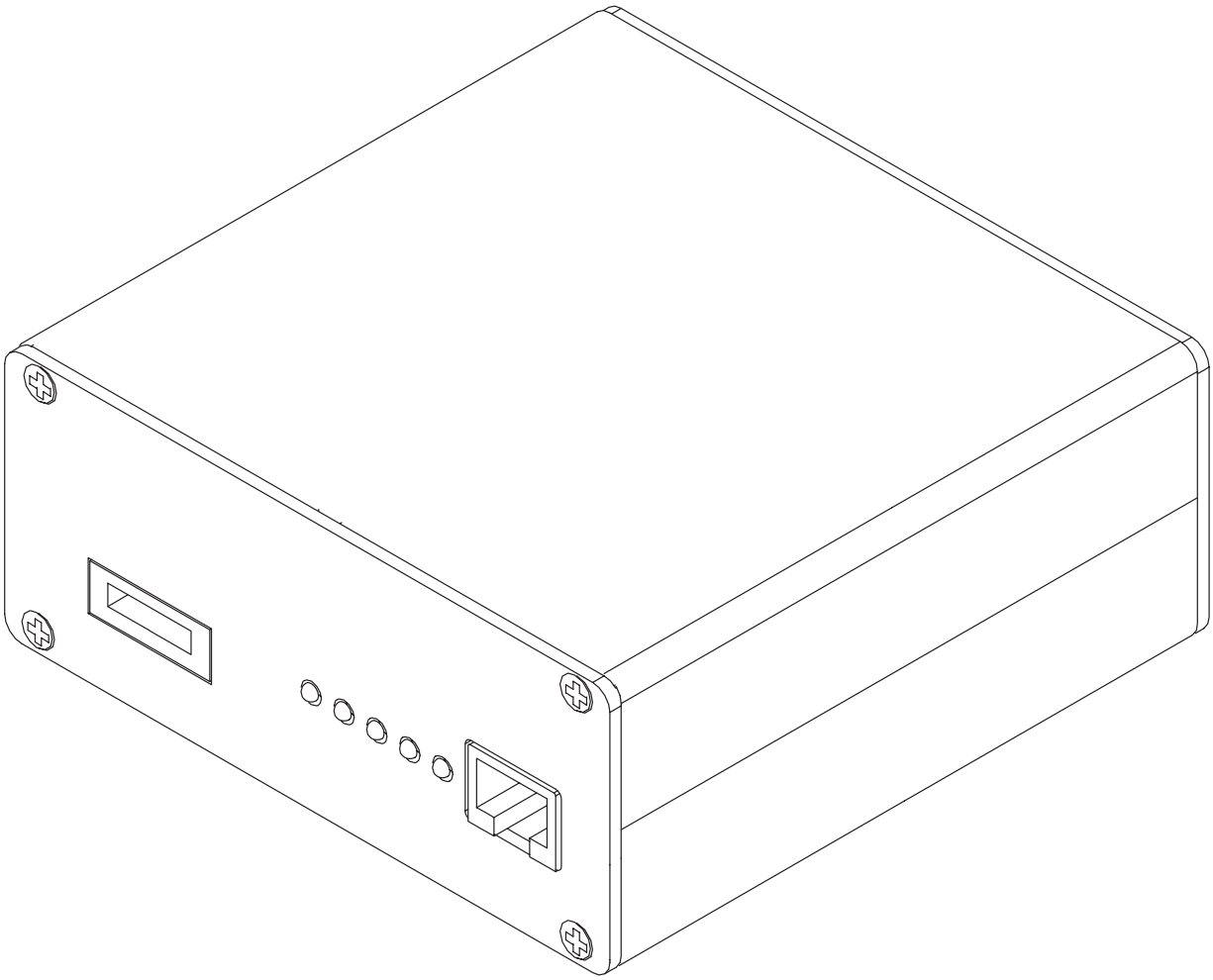
The Security Box TDF-4 is required for updating MCU software, and infra red testing.

Note: TDF-4 is delivered in de-activated mode. Fill in the enclosed Activation Request Form, and fax to NMP Salo to get the activation code

Product Code

Security Box TDF-4:	0770106

View of TDF-4



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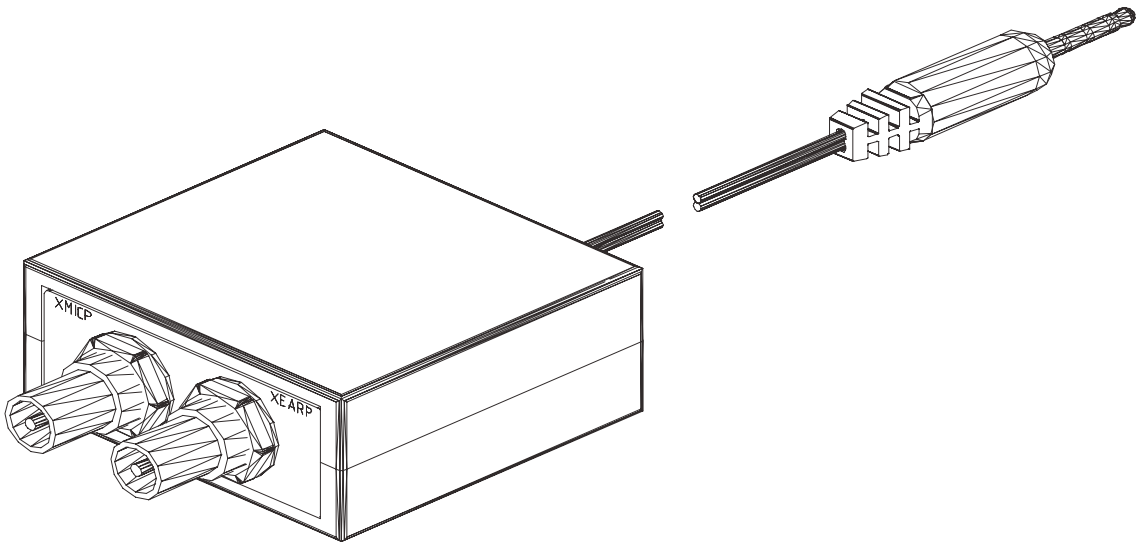
Service Audio Box JBA-6

The Service Audio Box JBA-6 is used between the phone or JBS-25 and test equipment.

Product Code

Service Audio Box JBA-6:	0770184

View of JBA-6



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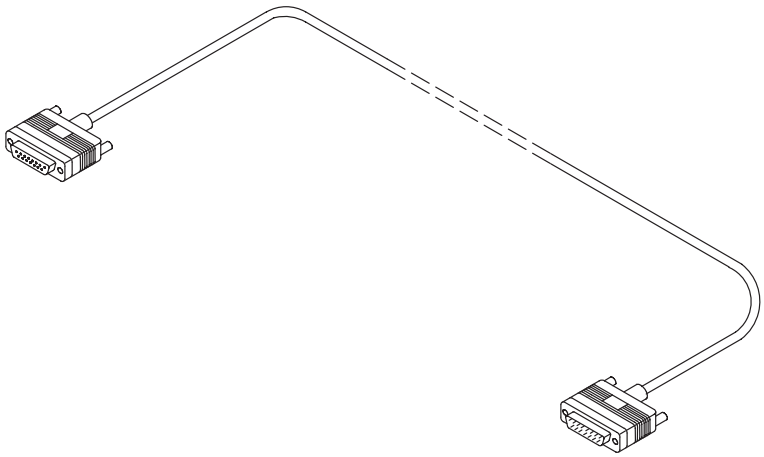
D15-D15 Cable AXS-5

The D15-D15 Cable AXS-5 is used to connect two 15 pin D connectors. e.g. between FLA-5 and FPS-4S.

Product Code

D15-D15 Cable AXS-5: 0730091

View of AXS-5



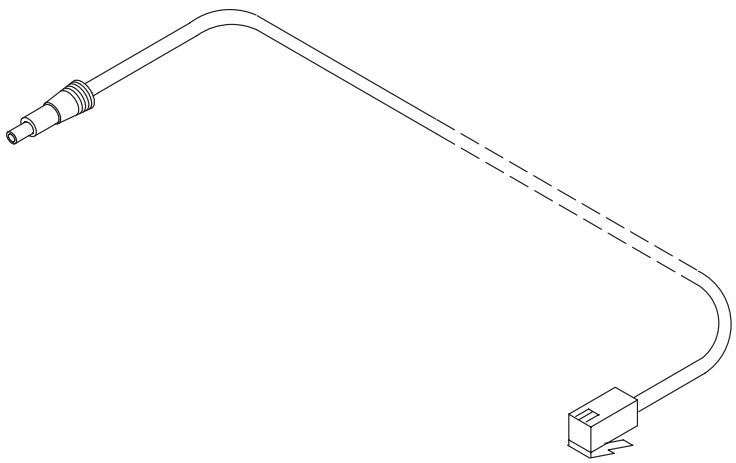
DC Cable PCC-1

The DC Cable PCC-1 is used e.g. to connect FLA-5 and TDF-4.

Product Code

DC Cable PCC-1: 0730053

View of PCC-1



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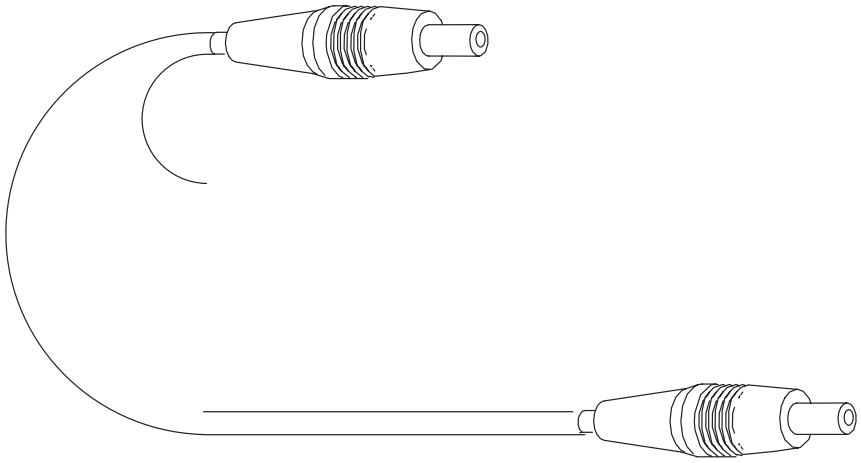
DC Cable SCB-3

The DC Cable SCB-3 is used to connect the Service Box to the charger connection Vin of the phone when doing the charger calibration service procedure.

Product Code

DC Cable SCB-3: 0730114

View of SCB-3



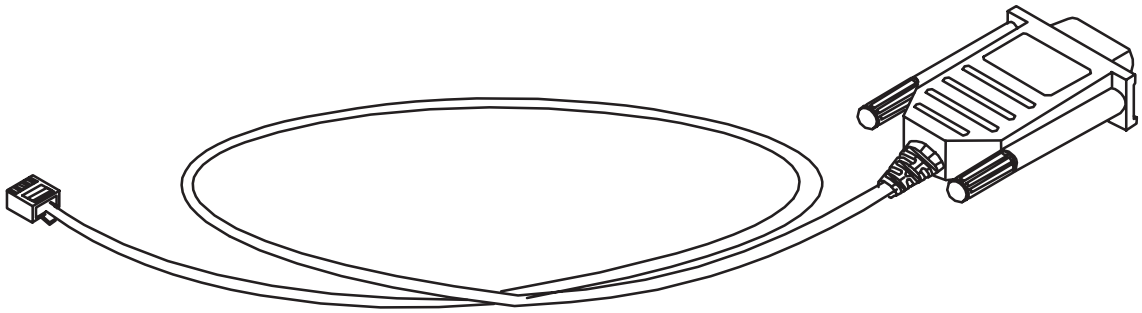
MBUS Cable DAU-9S

The MBUS Cable DAU-9S has a modular connector, and is used with the JBS-25.

Product Code

MBUS Cable DAU-9S: 0730108

View of DAU-9S



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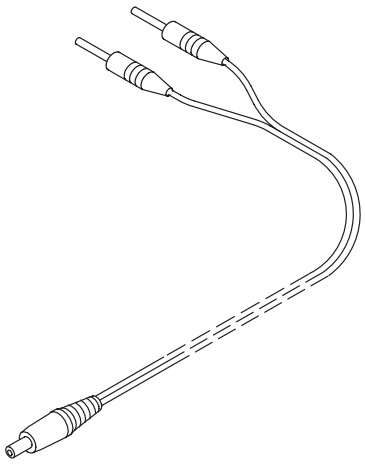
Power Cable PCS-1

The Power Cable PCS-1 is used to connect the module jig JBS-25 to an external power supply.

Product Code

Power Cable PCS-1: 0730012

View of PCS-1



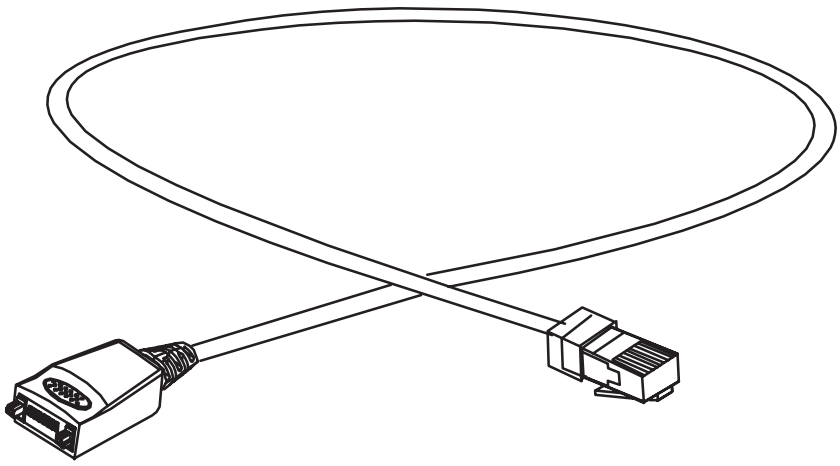
Modular Service Cable SCH-5A

The Service Cable SCH–5A is used between the phone and Service Audio Box JBA–6 (or modular T–adapter. It is also used between the phone and the Flash Loading Adapter FLA–5.

Product code

Service Cable SCH–5A: 0730166

View of SCH-5A



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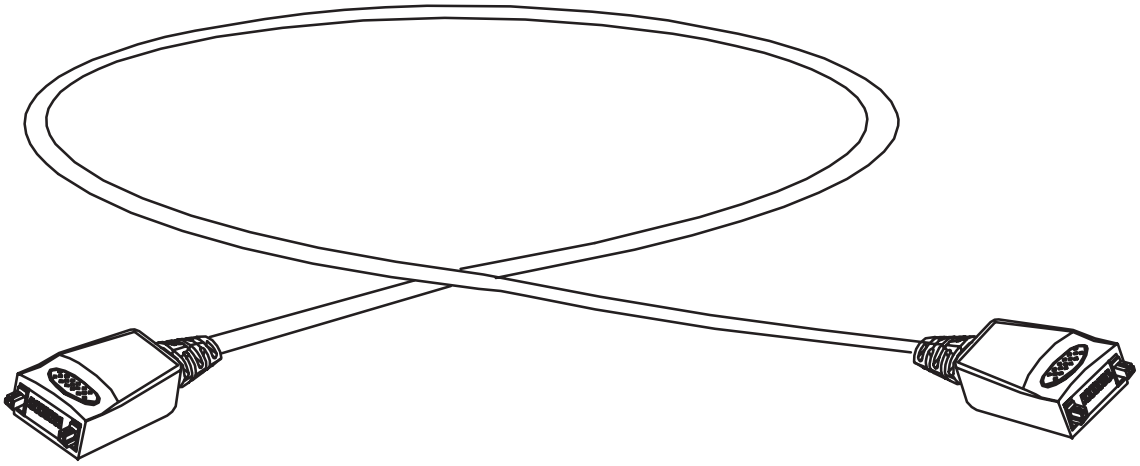
Warranty Cable SCH-6A

The Warranty cable SCH–6A is used to connect two phones, and enables transfer of data (stored numbers etc.) from one phone to another.

Product Code

Warranty Cable SCH–6A: 0730167

View of SCH-6A



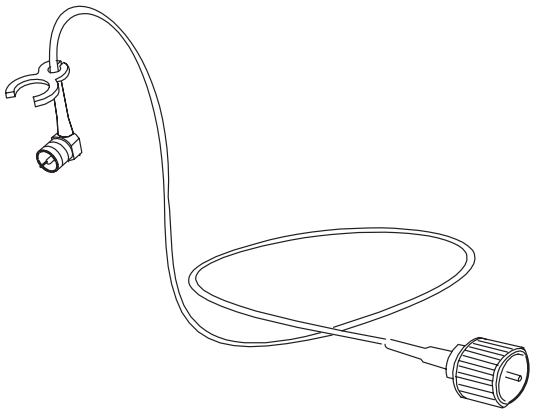
Service Cable XRC-2

XRC-2 is a modular cable with N connector for RF measurements.

Product code

Service Cable XRC-2: 0730180

View of XRC-2



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SW Security Device PKD-1

SW security device is a piece of hardware enabling the use of the service software when connected to the parallel (LPT) port of the PC. Whitout the dongle present it is not possible to use the service software. Printer or any such device can be connected to the PC through the dongle if needed.

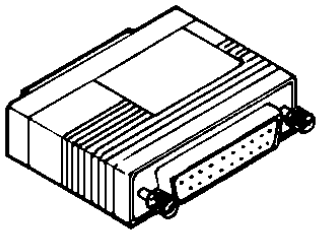
Caution: Make sure thet you have switched off the PC and the printer before making connections!

Caution: Do not connected the PKD-1 to the serial port. You may damage your PKD-1!

Product Code

SW Security Device PKD-1: 0750018

View of SW Security Device



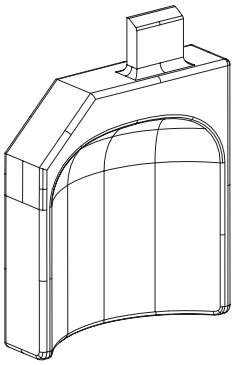
Antenna Removal Tool ART-9

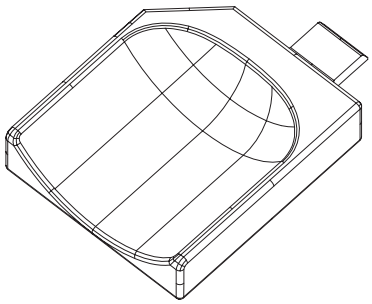
ART-9 is the antenna removal tool for NSW–4.

Product code

Antenna Removal Tool ART-9: 0774245

Views of ART-9





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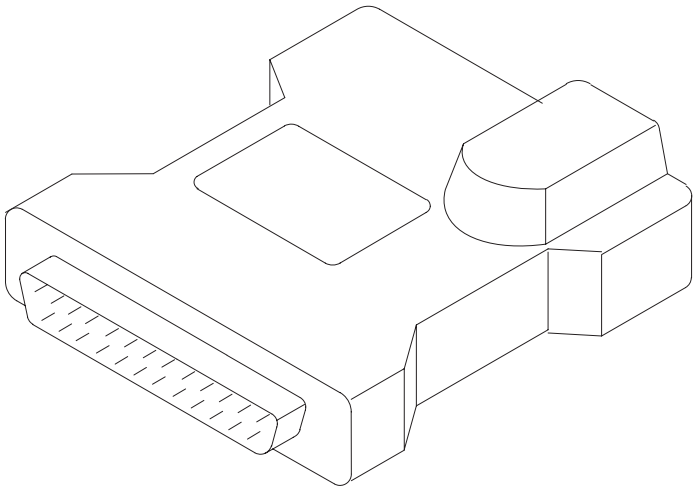
Dongle/Flash Device FLS-2D (Sales Pack)

FLS-2D is a dongle and flash device incorporated into one package, developed specifically for POS use.

Product Code

Sales Pack -Americas 0081309

View of FLS-2D



Sales Pack Contents

Part No.	Description
0774168	FLS-2D Flash Device.
0730163	AXS-4U Cable.
0770177	Disk- Installation package,16bit Dongle Drivers.
0770176	Disk - Installation package, 32bit Dongle Drivers.
0774120	Disk - Installation package for the FLE-5 Drivers.
0774123	Disk - Remote Update Application Installation Package.
0275405	Installation and User Guide
0275404	Registration Request Form

***Note**: in addition to this Sales Pack, a Service Cable will be required to connect the FLS-2D to the Product/Phone to be flashed, e.g. XMS-3, and a software package to run the flashing process.*

The picture overleaf shows how to connect the FLS-2 device and associated cables to the PC and Product/Phone.

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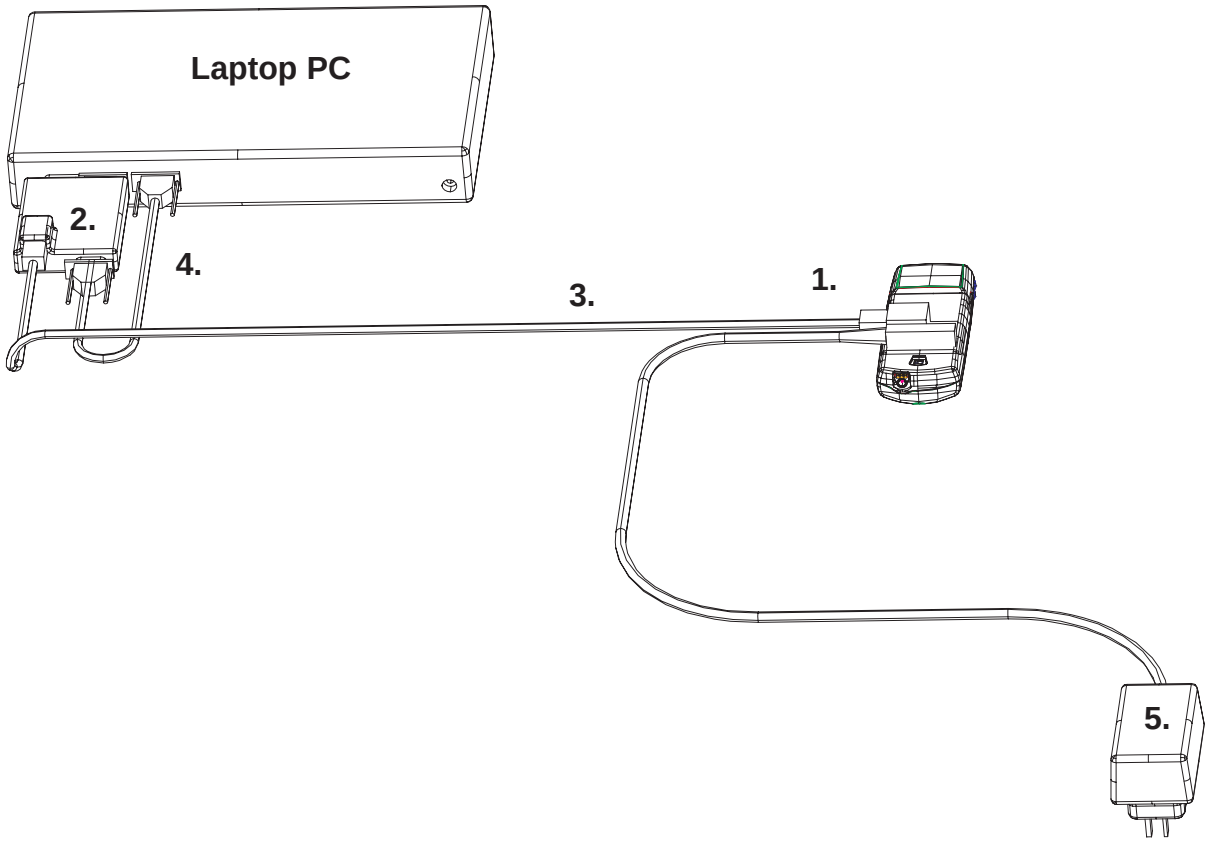
FLS-2D Connection Diagram



1	Flash Battery Adapter	FLA-12	0080389
2	POS Flash Adapter (Connected to parallel port)	FLS-2D	0081309
3	Modular Cable	SCH-5	0730174
4	D9-D9 Cable	AXS-4U	0730163
5	Travel Charger	ACP-8U	0675196

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